



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION
FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR HCAI SPECIAL SEISMIC
CERTIFICATION PREAPPROVAL (OSP)

OFFICE USE ONLY

APPLICATION #: OSP-0207

HCAI Special Seismic Certification Preapproval (OSP)

Type: ☐ New ☒ Renewal

Manufacturer Information

Manufacturer: Ascom Wireless Solutions

Manufacturer's Technical Representative: Michael Potvin

Mailing Address: 9024 Town Center Parkway Suite 100, Bradenton, FL 34202

Telephone: (941) 724-8200

Email: Michael.potvin@ascom.com

Product Information

Product Name: Electrical Control Panels on Life Safety/Critical Branch

Product Type: Nurse Call Stations

Product Model Number: Telligence - SeismicFrame Two Post Rack; Cube-iT

General Description: The Telligence system patient-staff communications network is a distributed network-centric, internet protocol-based architecture system. Approval is limited to maximum C.G. and weights, listed within tested units in OSP and for installations within wall or floor mounted racks, as listed at the end of OSP.

Mounting Description: Direct floor mount and direct mount to rigid wall

Tested Seismic Enhancements: None

Applicant Information

Applicant Company Name: VMC Group

Contact Person: John Giuliano

Mailing Address: 113 Main Street, Bloomingdale, NJ 07403

Telephone: (973) 838-1780

Email: John.Giuliano@thvmcgroup.com

Title: President



**DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION
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California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)

Company Name: THE VMC GROUP

Name: Kenneth Tarlow

California License Number: S2851

Mailing Address: 980 9th Street, 16th Floor, Sacramento, CA 95814

Telephone: (832) 627-2214

Email: ken.tarlow@thevmcgroup.com

Certification Method

☐ GR-63-Core

☒ ICC-ES AC156

☐ IEEE 344

☐ IEEE 693

☐ NEBS 3

☐ Other (Please Specify): _____

Testing Laboratory

Company Name: APPLIED TECHNICAL SERVICES, INC. (ATS)

Contact Person: David Common

Mailing Address: 1049 Triad Court, Marietta GA 30062

Telephone: (770) 423-1400

Email: dcommon@atslab.com

Company Name: ENVIRONMENTAL TESTING LABORATORIES, INC. (ETL)

Contact Person: Brady Richard

Mailing Address: 11034 Indian Trail, Dallas TX 75229-3513

Telephone: (972) 247-9657

Email: brady@etldallas.com



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Seismic Parameters

Design Basis of Equipment or Components (F_p/W_p) = 1.5

SDS (Design spectral response acceleration at short period, g) = 2.0

a_p (Amplification factor) = 2.5

R_p (Response modification factor) = 6.0

Ω_0 (System overstrength factor) = 2.0

I_p (Importance factor) = 1.5

z/h (Height ratio factor) = 1

Natural frequencies (Hz) = See Attachment

Overall dimensions and weight = See Attachment

HCAI Approval (For Office Use Only) - Approval Expires on 03/15/2028

Date: 3/15/2022

Name: Mohammad Karim

Title: Supervisor, Health Facilities

Special Seismic Certification Valid Up to: SDS (g) = 2.0

z/h = 1

Condition of Approval (if applicable):

Table 1 - Certified Product Table

| Product Line | Model | Part Number ¹ | Tested Unit Part Number | Max Package Dimensions [in] | | | Max Weight [lb] | Max CG Height [in] | Mounting Configuration | UUT |
|------------------------------|----------------------------|--------------------------|-------------------------|-------------------------------|-------|--------|-------------------|----------------------|----------------------------|--------|
| | | | | Depth | Width | Height | | | | |
| Telligence Nurse Call System | SeismicFrame Two Post Rack | 13853-X03 | 13853-703 | 15.0 | 24.0 | 84.0 | 925 | 38 | Direct Floor Mount | UUT-01 |
| | Cube-iT Plus | 11890-X24 | 11890-724 | 18.0 | 24.0 | 24.0 | 151 | 13 | Direct Mount to Rigid Wall | UUT-03 |
| | | 11840-X24 | 11840-724 | 24.0 | 24.0 | 24.0 | 283 | 10 | | UUT-02 |

Notes

¹X denotes color

Table 2 - Certified Subcomponents for Floor Mounted Units

| Subcomponent | Part Number | Weight [lb] | Manufacturer | UUT |
|-----------------------------|--------------|---------------|---------------------------------|--------|
| Seismic Frame Two-Post Rack | 13853-703 | 180 | Chatsworth Products, Inc. (CPI) | UUT-01 |
| Power Switch | HC-IPSWITCH8 | 8.6 | Ascom | |
| Station Gateway | NGGTWY2-H | 8.2 | Ascom | |
| Smart-UPS 1500 VA | SMT1500RM2UC | 58.3 | APC | |
| Equipment Tie-Down Bracket | 11349-19 | 1 | Chatsworth Products, Inc. (CPI) | |
| 20-Outlet Surge Power Strip | 12851-02 | 4 | Chatsworth Products, Inc. (CPI) | |

Table 3 - Certified Subcomponents for Wall Mounted Units

| Subcomponent | Part Number | Weight [lb] | Manufacturer | UUT |
|----------------------------------|-----------------|---------------|---------------------------------|--------|
| CUBE-iT Plus 24"Wx24"Hx18"D rack | 11890-724 | 78 | Chatsworth Products, Inc. (CPI) | UUT-03 |
| Station Gateway | NGGTWY2-H | 8.2 | Ascom | |
| Power Switch | HC-IPSWITCH8 | 8.6 | Ascom | |
| Smart-UPS SC 450VA | SC450RM1UC | 23.17 | APC | |
| PoE Switch | WS-3560CX-8PC-S | 5 | Cisco | |
| 8-Outlet 15A Surge Power Strip | 12820-701 | 4 | Chatsworth Products, Inc. (CPI) | |
| CUBE-iT Plus 24"Wx24"Hx24"D rack | 11840-724 | 90 | Chatsworth Products Inc. (CPI) | UUT-02 |
| Power Switch | HC-IPSWITCH8 | 8.6 | Ascom | |
| Station Gateway | NGGTWY2-H | 8.2 | Ascom | |
| Smart-UPS 1500 VA | SMT1500RM2UC | 58.3 | APC | |
| Equipment Tie-Down Bracket | 11349-19 | 1 | Chatsworth Products Inc. (CPI) | |
| Horiz. Cable Management Bar | 11837-01 | 2 | Chatsworth Products Inc. (CPI) | |
| 12-RMU Mounting Rails | 12787-524 | 3 | Chatsworth Products, Inc. (CPI) | |
| 8-Outlet 15A Surge Power Strip | 12848-02 | 4 | Chatsworth Products, Inc. (CPI) | |



UNIT UNDER TEST (UUT) Summary Sheet

UUT-1

Test Report: SSC12-1117-01

| Model Line | Model Number | Manufacturer |
|----------------------------|--------------|--------------|
| SeismicFrame Two Post Rack | 13853-703 | ASCOM |

Product Construction Summary

Carbon Steel Frame; CG height of UUT is 38"

Options / Subcomponent Summary

Frame: CPI ; Power Switch: ASCOM ; Station Gateway: ASCOM ; UPS: APC ; Tie-Down Bracket: CPI ; Power Strip: CPI

UUT Properties

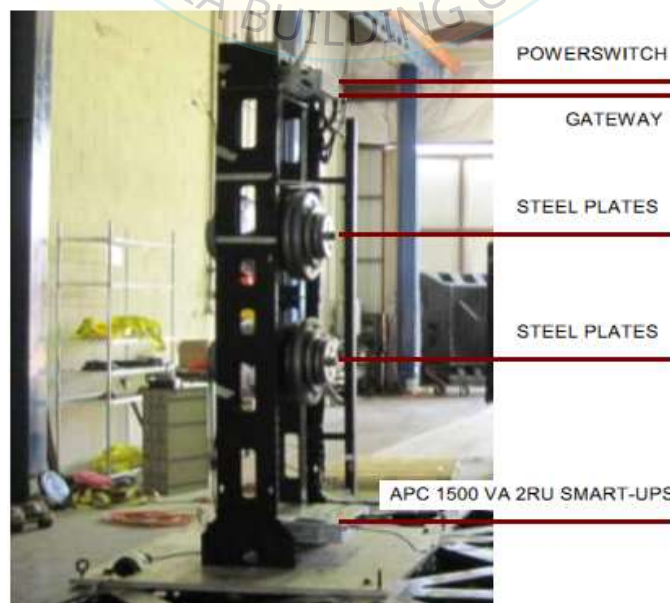
| Weight [lbs] | Dimensions [in] | | | Lowest Nat. Freq. [Hz] | | |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
| | Length | Width | Height | F-B | S-S | V |
| 925 | 15.0 | 24.0 | 84.0 | 6.7 | 6.6 | 7.2 |

UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S _{DS} | z/h | I _p | A _{FLX-H} | A _{RIG-H} | A _{FLX-V} | A _{RIG-V} |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2019 | ICC-ES AC156 | 2.00 | 1.0 | 1.5 | 3.63 | 2.72 | 1.51 | 0.61 |
| | | - | - | - | - | - | - | - |

Test Mounting Details

UUT rigidly mounted to the shake table using (4) 5/8" diameter cap screws with 2"x2"x3/8" plate washers. Steel plates added to rack to increase simulated test weight.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



UNIT UNDER TEST (UUT) Summary Sheet

UUT-2

Test Report: SSC12-1117-01

| Model Line | Model Number | Manufacturer |
|--------------|--------------|--------------|
| Cube-iT Plus | 11840-724 | ASCOM |

Product Construction Summary

Carbon Steel Cabinet; CG height of UUT is 13"

Options / Subcomponent Summary

Cabinet: CPI ; Power Switch: ASCOM ; Station Gateway: ASCOM ; UPS: APC ; Tie-Down Bracket: CPI ; Cable Management Bar: CPI ; Mounting Rails: CPI ; Power Strip: CPI

UUT Properties

| Weight [lbs] | Dimensions [in] | | | Lowest Nat. Freq. [Hz] | | |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
| | Length | Width | Height | F-B | S-S | V |
| 283 | 24.0 | 24.0 | 24.0 | N/A | N/A | N/A |

UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S _{DS} | z/h | I _p | A _{FLX-H} | A _{RIG-H} | A _{FLX-V} | A _{RIG-V} |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2019 | ICC-ES AC156 | 2.00 | 1.0 | 1.5 | 3.63 | 2.72 | 1.51 | 0.61 |
| | | - | - | - | - | - | - | - |

Test Mounting Details

UUT mounted directly to the wall fixture using (8) 1/4" hex washer head self tapping sheet metal screws with 1/4" x 1-1/4" O.D. fender washers



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



UNIT UNDER TEST (UUT) Summary Sheet

UUT-3

Test Report: 309082; UUT-1

| Model Line | Model Number | Manufacturer |
|--------------|--------------|--------------|
| Cube-iT Plus | 11890-724 | ASCOM |

Product Construction Summary

Carbon Steel Cabinet; CG height of UUT is 10"

Options / Subcomponent Summary

Cabinet: CPI ; Power Switch: ASCOM ; Station Gateway: ASCOM ; UPS: APC ; PoE Switch: Cisco ; Power Strip: CPI

UUT Properties

| Weight [lbs] | Dimensions [in] | | | Lowest Nat. Freq. [Hz] | | |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
| | Length | Width | Height | F-B | S-S | V |
| 151 | 24.0 | 18.0 | 24.0 | N/A | N/A | N/A |

UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S _{DS} | z/h | I _p | A _{FLX-H} | A _{RIG-H} | A _{FLX-V} | A _{RIG-V} |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2019 | ICC-ES AC156 | 2.27 | 1.0 | 1.5 | 3.63 | 2.72 | 1.51 | 0.61 |
| | | - | - | - | - | - | - | - |

Test Mounting Details

UUT was mounted to a 3/4" plywood board using (6) M8-40 lag screws. Plywood board attached directly to wall fixture, wall fixture attached directly to shake table.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.